

Title (en)

CONNECTION DIAGNOSTIC DEVICE FOR GROUND FAULT DETECTOR

Title (de)

ANSCHLUSSDIAGNOSEVORRICHTUNG FÜR EINEN ERDSCHLUSSWÄCHTER

Title (fr)

DISPOSITIF DE DIAGNOSTIC DE CONNEXION POUR DÉTECTEUR DE DÉFAUT DE MISE À LA MASSE

Publication

**EP 2442120 A1 20120418 (EN)**

Application

**EP 10786065 A 20100519**

Priority

- JP 2010058855 W 20100519
- JP 2009140927 A 20090612

Abstract (en)

A connection diagnostic apparatus for a ground fault detector including an oscillator connected via a coupling capacitor to an electric circuit with a first connection line and a second connection line, and a voltage detector for detecting a voltage value between the oscillator and the coupling capacitor is provided with a first relay and a second relay provided in the first connection line and the second connection line, and a programmable controller. The programmable controller determines a connected state of the ground fault detector based on a change amount of a voltage value detected by the voltage detector when the first relay is turned on or off and determines the connected state of the ground fault detector based on a change amount of a voltage value detected by the voltage detector when the second relay is turned on or off.

IPC 8 full level

**B60L 3/00** (2006.01); **G01R 31/50** (2020.01)

CPC (source: EP US)

**B60L 3/0023** (2013.01 - EP US); **G01R 31/50** (2020.01 - EP US); **G01R 31/66** (2020.01 - EP US); **H02H 3/044** (2013.01 - EP); **H02H 3/17** (2013.01 - EP); **G01R 31/52** (2020.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**US 2012025844 A1 20120202**; **US 8847605 B2 20140930**; CN 102460193 A 20120516; CN 102460193 B 20150114; EP 2442120 A1 20120418; EP 2442120 A4 20130501; EP 2442120 B1 20180808; JP 5533864 B2 20140625; JP WO2010143534 A1 20121122; WO 2010143534 A1 20101216

DOCDB simple family (application)

**US 201013263251 A 20100519**; CN 201080026143 A 20100519; EP 10786065 A 20100519; JP 2010058855 W 20100519; JP 2011518406 A 20100519